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CENTRAL INTELLIGENCE AGENCY  
INFORMATION REPORT

COUNTRY USSR/Austria (Soviet Zone)  
SUBJECT Ground Radar, Communications Equipment and AA Artillery at Zwoelfaxing Airfield

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THIS IS UNEVALUATED INFORMATION 50X1

Radio Locator

1. Two radio locators arrived at Zwoelfaxing, (4806N - 1628E), in March 1951. The antennae, in the form of a rectangular wire-mesh box, were mounted on top of the truck, Enclosure (A). The mesh covering the antennae was wider than window screen wire. The trucks were operated by a three or four man crew from the 240th ATB. The only officer [redacted] was the Commander of the Communications Company of the Aviation Technical Battalion. The sets were operated two hours a day when the regiment aircraft were flying. The antennae rotated 360° and scanned in elevation at the same time. The rotation was approximately fifteen or twenty IPM. [redacted] observed the RUS-2 type antennae at Zwoelfaxing in 1949. [redacted] the range of the radio locator was 100 kilometers and [redacted] the sets moved from one regiment to another within the division.

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Guiding Radio Station (Privodnaya Radiostantsia)

2. The Guiding Radio Station was located approximately 200 meters to the left of the runway. The equipment includes three guyed masts, each mast approximately 5 meters high, and arranged in a triangle near the ZIS-5, truck, which housed the transmitter

New Equipment for Training Purposes

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3. Three items of new equipment, a transmitter, receiver, and a radio gunsight were received in the Air Communications schoolroom. The transmitter and receiver were replacements for the US and RSB-3 BIS, and a radio gunsight. This equipment was sent for training purposes preparatory to equipping [redacted] regiment with the IL-28. The Chief Communications Officer of the Regiment attended a school at Moscow from January to March 1951 and upon his return gave instructions to the air crews in the operation of the sets. The Regimental Special Electrical Equipment Officer gave the instruction to the mechanics. During one of the lectures on the IL-28, [redacted] learned that two radio gunsights had been installed on the plane. These gunsights are very expensive and far superior to the old equipment. Instructions on the radio gunsight were given to the gunners and were classified secret. This was my first contact with a radio gunsight.

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The Starting Station (Startovaya Radio Stantsia).

4. Radio operators schedule flights in the starting station and also report weather data in code. The numerical code is transmitted verbally in two and three digit groups. If a code is lost or thought to be compromised it is immediately changed and the offender is punished. The codes are published by the Division.
5. The trucks contain US (Universal Aircraft) receivers, R-4 or R-5 receivers, and a RSB-3BIS transmitter. Power is supplied by batteries located beneath the operating desk. Enclosure (B). Two operators are assigned who can drive the truck and operate the radios. If the ten meter whip antenna were removed, the starting station could not be distinguished from the guiding station.

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AA Artillery at Swoelfaxing Airfield

6. There are approximately twelve to fifteen 85 mm AA guns and five to seven 37 mm guns located in an area approximately 50 - 150 meters east of the main gate. [redacted] fifty to sixty men around these guns. The headquarters of this unit is in Schwechat (4809N - 1630E). [redacted] The only training [redacted] was practice in tracking airplanes, though the guns could not be fired because of the close proximity of the planes. [redacted] 50X1  
[redacted] The artillery men returned to their quarters in Schwechat each afternoon at five o'clock. The guns are on the airfield from March through September and return to the quarters in Schwechat during the winter. Two radar trucks arrived at Swoelfaxing late in March 1951 and were in their original position at the end of the runway when last observed. There was no telephonic communication between the radar sets and the AA artillery. [redacted]

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ENCLOSURE (A): Sketch of radio locator at Swoelfaxing Airfield  
 (B): Sketch of starting radio station

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ENCLOSURE (A)



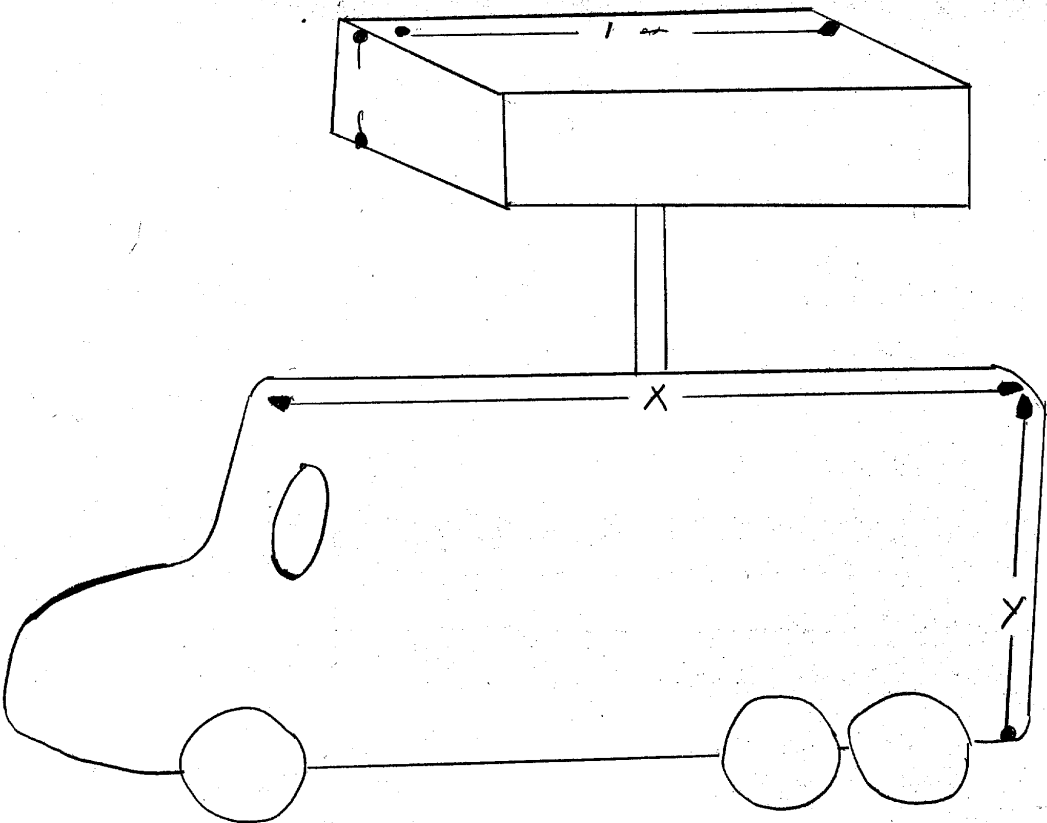
size of the antenna



50X1

X:1 = 1:5/8  
Y:2 = 4:1

50X1



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Sketch (Retouched)  
of Radio Locator  
Observed at Zwölfaxing Airfield

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50X1

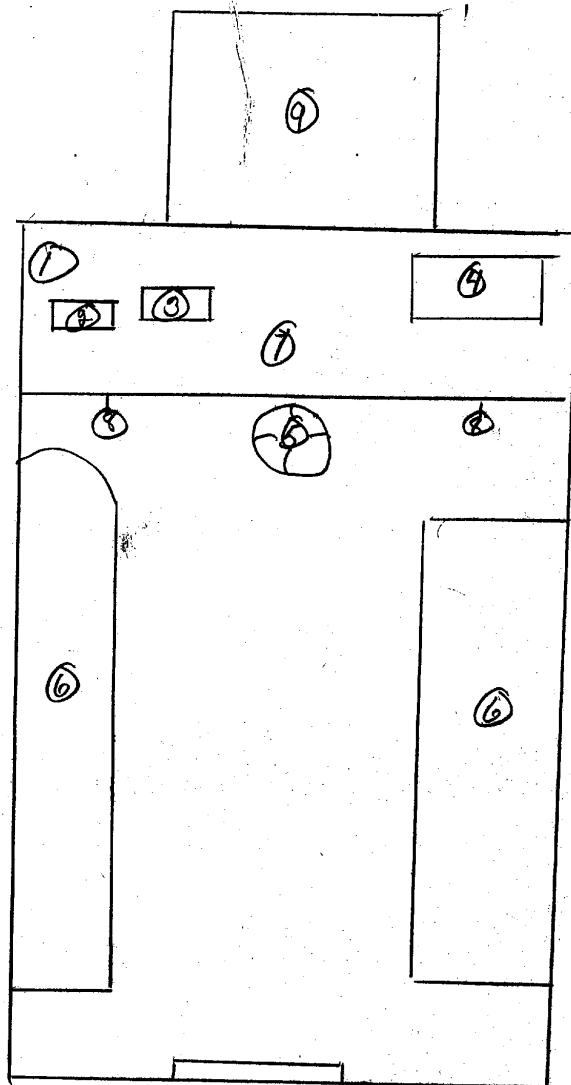
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ENCLOSURE (B)

The numbered parts indicate the following: Pt. 1, Speaker; Pt. 2, Receiver; Pt. 3, Receiver; Pt. 4, Transmitter; Pt. 5, Chair; Pt. 6, Benches; Pt. 7, Operating desk; Pt. 8, Batteries (on the floor, beneath the operating desk); Pt. 9, Cab of the truck.

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Sketch (Retouched)  
of Starting Radio Station (ZIS-5 Truck)



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